CHUANQI SUN

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EDUCATION

Xi'an Jiaotong University, Honors Science Program (Mathematics) Xi'an, China
B.Sc. in Mathematics *Sep. 2023 – Jul 2027 (expected)*

- **GPA:** 4.10/4.30 | 94.56/100
- **Rank:** 1/31
- **Research Interest:** Probability Theory, Statistics
- **Programming:** C++, Matlab, Python, R, LaTeX
- **Relevant Coursework:** Advanced Algebra and Analytic Geometry I-1 (100), Mathematical Analysis I-3 (100), Functions of a Complex variable (100), Functional Analysis (100), Elementary Number Theory (99), Mathematical Analysis I-2 (99), Abstract Algebra I (99), Ordinary Differential Equations (99), Probability (99)

University of California, Berkeley Berkeley, CA
Berkeley Global Access Visiting Student Programs *Jan. 2026 – May 2026(expected)*

Xi'an Jiaotong University, Honors Youth Program Xi'an, China
Preparatory Program *Sep. 2022 – Jun 2023*

- **GPA:** 87.15/100
- **Rank:** 11/193

RESEARCH EXPERIENCE

Random Derivative Free Optimization Berkeley, CA
Mentor: Postdoc. Pengcheng Xie @ Lawrence Berkeley National Laboratory *Jan. 2026 - present*

- Researched theoretical foundations of randomized subspace methods in the context of high-dimensional, black-box derivative-free optimization.
- Skilled in the theoretical derivation and proof of randomized subspace algorithms for black-box optimization.

Summer school of Algebra and Number Theory, Peking University Beijing, China
Mentor: Prof. Xiao Liang @ Peking University *Jul. 2025 - Aug. 2025*

- Studied the fundamentals of Algebraic Geometry, Algebraic Number Theory, and Representation Theory

Basics of Strategic Limit Theory Xi'an, China
Mentor: Prof. Xiaodong Yan @ Xi'an Jiaotong University *Jun. 2025 - Sep. 2025*

- Reviewed literatures on Strategic Limit Theory
- Composed a reading report about the application of Strategic Limit Theory in optimization problems

AI for Mathematics, Great Bay University Dongguan, China
Mentor: Prof. Zaiwen Wen @ Peking University *Jan. 2025*

- Learned the fundamental operations of formal theorem proving
- Successfully formalized the proof of a theorem in Convex Optimization

HONORS & AWARDS

Shing-Tung Yau College Student Mathematics Contest Xi'an, China
Meritorious Award, Analysis and Differential Equations Track *May 2025*

Chinese Undergraduate Mathematics Competition (CMC) Guangzhou, China
First Prize in National Finals (Non-Mathematics Category) *May 2023*

National Scholarship Xi'an, China
Xi'an Jiaotong University *Nov. 2025*

First-class Academic Scholarship Xi'an, China
Xi'an Jiaotong University *Nov. 2024*